



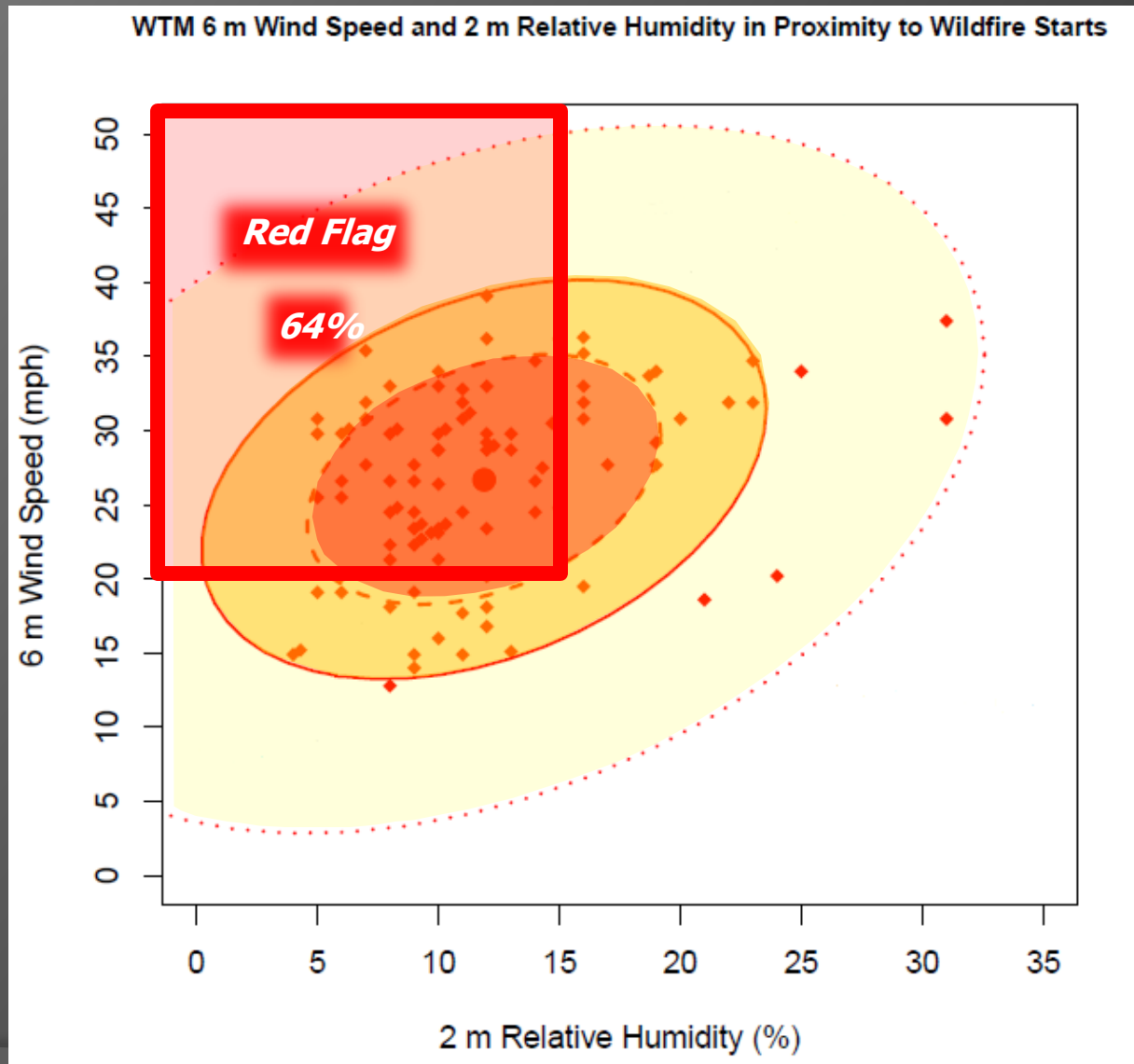
FIRE WEATHER PRODUCTS

Red Flag Warning

⦿ Criteria:

- 20 ft wind speed of 20 mph or greater
- Relative Humidity Values of 15% or lower
- Occurring in at least 3 observations an hour apart or more
- High fire danger rating

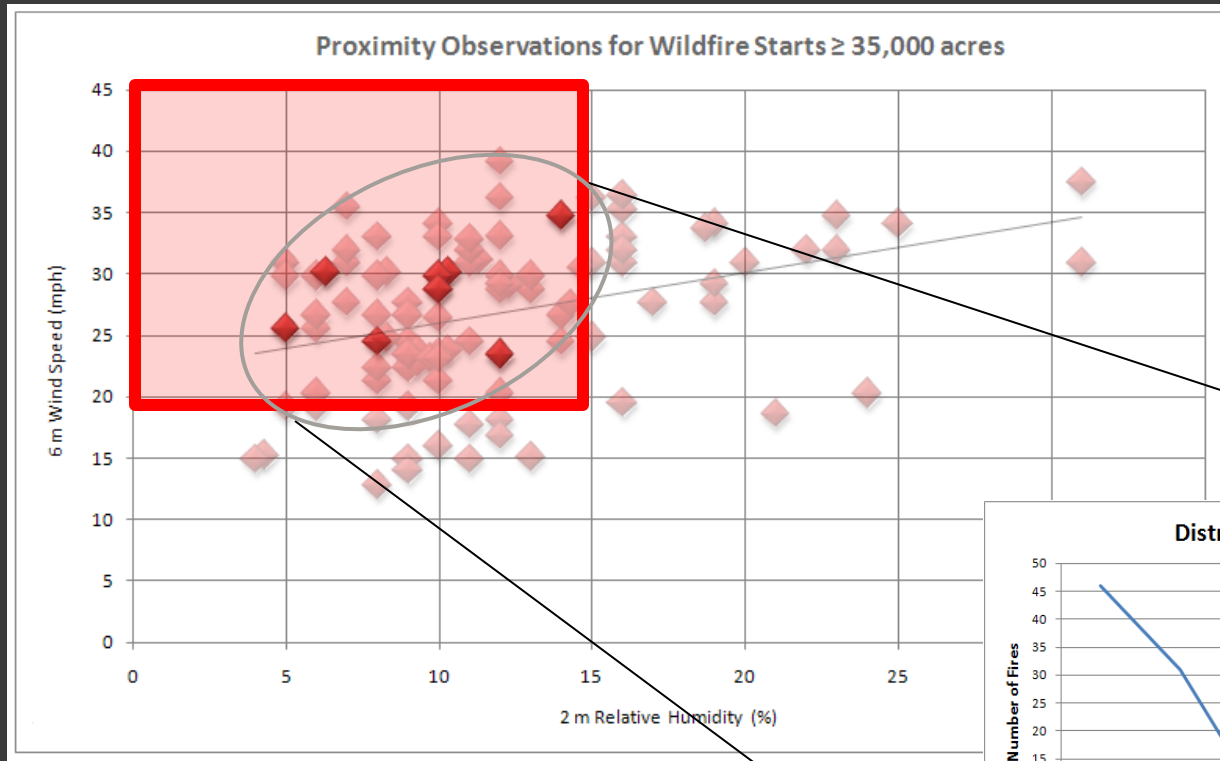
Red Flag Criteria (Region III) & Observed Significant Fire Starts



- a study of West Texas Mesonet proximity obs for significant wildfire starts showed that “critical” fire weather does not fit in a box
- a majority (64%) of significant fire starts occurred within RFW RH & WS criteria

Red Flag Criteria (Region III) & Observed Significant Fire Starts

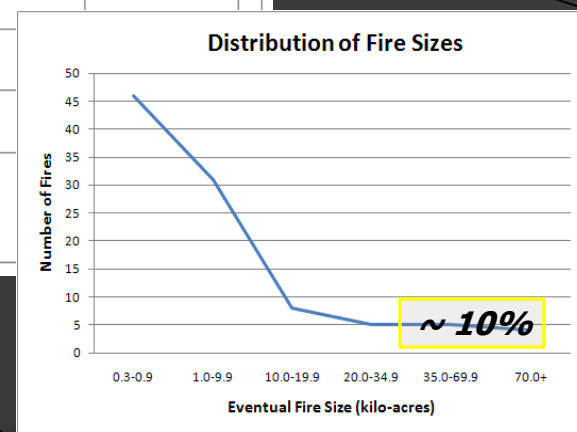
eventual fire size vs relative humidity and wind speed



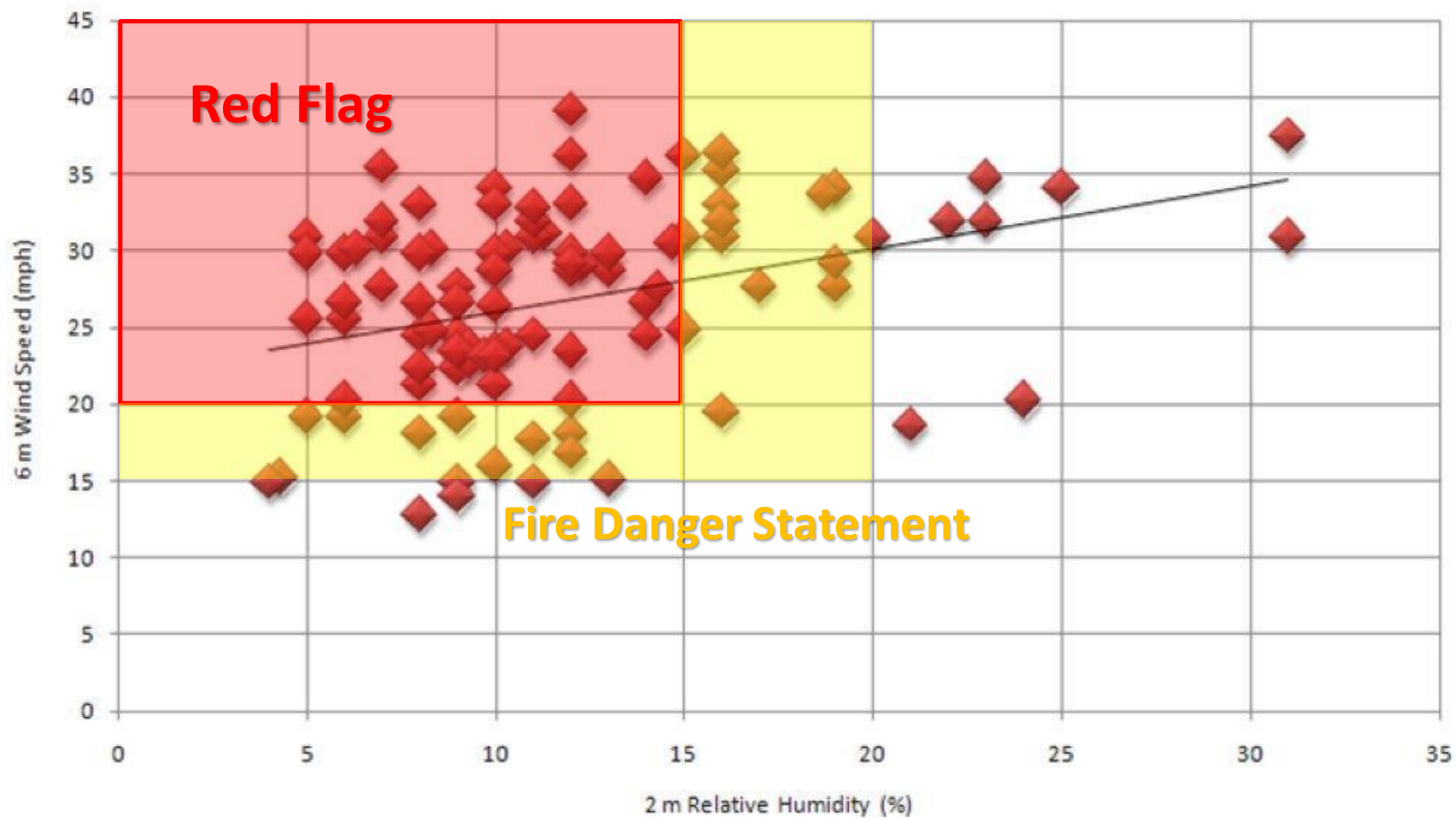
$RH \leq 15\%$

$WS \geq 20$ mph

- also accounts for the most extreme wildfire starts



WTM 6 m Wind Speed and 2 m Relative Humidity in Proximity to Wildfire Starts



Fire Danger Statement

⦿ Criteria:

- 20 foot wind speed of 15 mph or greater
 - Relative Humidity Values of 20% or less
 - The Day 1 fuel dryness level is Dry (“Yellow”) or greater
 - Fire weather customers request the product
 - Extenuating circumstances which require modifications be made
-
- **begin use at Lubbock – 3 January 2011**
 - **proposed at Midland**

Fire Danger Statement

- Is the product meeting your needs?
- How do you use the fire danger statement (RFD)?
- Do we need to make any changes to the criteria for the RFD?

Other non-RFW Products

- **Fire Weather Planning Forecast**
- **SPOT Forecast**
- **Hazardous Weather Outlook**
- **Area Forecast Discussion – Fire Weather**
- **Graphiccast**
- **Fire Emergency**

Open Discussion